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MacVector

TENT DEPARTMEN **Appendices** 

## **Appendix 1. IUPAC-IUB Codes for Nucleotides** and Amino Acids

## References:

A. Cornish-Bowden (1985). Nucl. Acids Res. 13: 3021-3030. Nomenclature for incompletely specified bases in nucleic acid sequences: recommendations 1984.

IUPAC-IUB Commission on Biological Nomenclature (1968). J. Biol. Chem. 243: 3557-3559. A one-letter notation for amino acid sequences. Tentative

## **Nucleic Acids:**

Adenine

C Cytosine

G Guanine

Ţ Thymine

U Uracil

(A or G) R puRine

(C or T/U) Y pYrimidine

K Keto (G or T/U) (A or C)

M aMino

(C or G) S Strong

Weak (A or T)

(C or G or T/U) B not A

(A or G or T/U) D not C

(A or C or T/U) H not G

V not T/U (A or C or G)

(A or C or G or T/U) aNy N

(see next page for amino acid codes)

EXHIBIT A